

WHAT IS CLAIMED IS:

1. A method for scrambling data according to a map, the data being composed of a plurality of units of data in a particular sequence, the method comprising:

selecting a plurality of points in a particular order to form the map;

and

scrambling the sequence of the units of data according to the map to form scrambled units of data, such that the map is required to unscramble said scrambled units of data, and such that said scrambled units of data are not readable without the map.

2. The method of claim 1, wherein the map is manually created by a user.

3. The method of claim 2, wherein the map is created by:

displaying a fractal to said user; and

selecting said plurality of points from said fractal by said user to form the map.

4. The method of claim 3, wherein said user also selects at least one of a resolution, the coordinates of the first navigation point for the map, and the color bar code for the fractal.

5. The method of claim 3, wherein colors are removed from the fractal.
6. The method of claim 2, wherein the map is created by:
drawing the map by said user, such that points from the map are used to scramble the data.
7. The method of claim 1, wherein the units of data are collected into a file, such that said file is divided into a plurality of fragments, and such that an order for assembling said plurality of fragments is determined by the map.
8. The method of claim 7, wherein said file is divided into said plurality of fragments after the units of data are scrambled.
9. The method of claim 7, wherein said file is divided into said plurality of fragments before the units of data are scrambled, such that the units of data are scrambled at least within each fragment.
10. The method of claim 9, wherein the units of data are scrambled between said plurality of fragments.

11. The method of claim 10, wherein a correct order of said plurality of fragments is determined according to the map, such that without the map, said plurality of fragments cannot be reassembled in said correct order.

12. The method of claim 11, wherein the units of data are encrypted according to a key, said key being obtained from the map.

13. The method of claim 12, wherein said key is a plurality of keys, each key being used to scramble or encrypt a portion of the units of data.

14. The method of claim 13, wherein each key is used in a sequential order to encrypt a subsequent key in said sequential order.

15. The method of claim 14, wherein said plurality of encrypted keys are used in said sequential order for communication between at least two users, such that a first user sends a first key to said second user, and such that each decrypted key is used to scramble data for transmission between said at least two users.

16. The method of claim 15, wherein said plurality of encrypted keys also includes information about a location for storing data as well as at

least a portion of a map for unscrambling said data, such that said second user sequentially locates and unscrambles said data according to each decrypted key.

17. The method of any of claim 16, wherein said scrambled units of data are concealed in an image by steganography.

18. The method of claim 17, wherein said scrambled units of data are divided into a plurality of groups, and each group is concealed in a separate image.

19. The method of claim 18, wherein said separate image also contains information for locating another group in another image, such that said groups are concealed in a plurality of sequential images.

20. The method of claim 19, wherein each image is a fractal.

21. The method of claim 20, wherein a visual appearance of said image is altered according to a visual effect for further concealing said data.

22. A system for scrambling data on a user computational device according to a map, comprising:

(a) a software module for determining the map and for scrambling

the data, said software module being operated by the user computational device;

- (b) a server for receiving the scrambled data from the user computational device;

and

- (c) a network connected to said server and the user computational device for transmitting the data.

23. The system of claim 22, wherein said software module also conceals said scrambled data in at least one image, said at least one image being stored by said server.

24. The system of claim 23, wherein said scrambled data is concealed in a plurality of images, and wherein each image contains both a portion of said scrambled data and a location of a subsequent image for obtaining a subsequent portion of said scrambled data.

25. The system of claim 24, wherein said server destroys said portion of said scrambled data after said portion of said scrambled data is accessed.

26. The system of claim 25, wherein each image is a fractal.

27. The system of claim 26, further comprising a plurality of user computational devices, such that said server stores a plurality of keys, each key being assigned to a user computational device, and such that said server scrambles each key according to a key of another user computational device to transmit said first key to said other user computational device.